

APS SEARCH

=> activate d012099/1

```
L1 (          0)SEA FILE=USPAT (DYNAMIC?(3A)MODIF? OR CHANG?) (8A) ((IMAGE O
R F
L2 (          2)SEA FILE=USPAT (DYNAMIC?(3A)MODIF? OR CHANG?) (8A) ((IMAGE
OR
L3 (        213)SEA FILE=USPAT (DYNAMIC?(3A)MODIF? OR CHANG?) (8A) ((IMAGE
OR
L4 (        213)SEA FILE=USPAT (DYNAMIC?(3A)MODIF? OR CHANG?) (8A) ((IMAGE
OR
L5 (      3257)SEA FILE=USPAT IMAGE (2A) (SEQUENCE)
L6 (      182)SEA FILE=USPAT ANIMATION (2A) SEQUENCE
L7 (          5)SEA FILE=JPO ANIMAT? (2A) SEQUENCE
L8 (          30)SEA FILE=EPO ANIMAT? (2A) SEQUENCE
L9 (          7)SEA FILE=EPO L7 AND STATUS
L10 (        23)SEA FILE=EPO L8 NOT L9
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=> file eop

'EOP' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'USPAT'

=> file epo

FILE 'EPO' ENTERED AT 10:53:32 ON 28 JAN 1999

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* * * * *
*               G P I               *
*   E U R O P E A N   P A T E N T   A B S T R A C T S   *
* * * * *
```

=> s 110

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      1052 ANIMAT?
      34819 SEQUENCE
        30 ANIMAT? (2A) SEQUENCE
      1052 ANIMAT?
      34819 SEQUENCE
        30 ANIMAT? (2A) SEQUENCE
      568230 STATUS
L11      23 L8 NOT L9
```

=> d 111

1. EP000859339A2, Aug. 19, 1998, Data compression for animated three dimensional objects; TAO, HAI (US), et al.,
INT-CL: [6] G06T15/70

=> d 1-

1. EP000859339A2, Aug. 19, 1998, Data compression for animated three dimensional objects; TAO, HAI (US), et al.,
INT-CL: [6] G06T15/70

2. US005491591A , Feb. 13, 1996, Series of images reproduced from addressable storage; ELSON, JEROME H (US),
INT-CL: [6] H04N5/78
EUR-CL: B41B19/14; B41B27/00; G05B19/14; G06F3/153; G06K1/12; G06K13/26; G06K17/00; G06K17/00; G06K17/00; G08B13/194; G09G1/26; G09G3/00; G11B5/54; G11B5/55; G11B15/00; G11B15/18; G11B15/18; G11B15/24; G11B15/32; G11B15/44; G11B15/58; G11B15/68; G11B19/10; G11B21/02; G11B25/04; G11B27/00; G11B27/02; G11B27/022; G11B27/028; G11B27/029; G11B27/10; G11B27/28; G11B27/32; G11B27/32; H04N1/21; H04N1/21; H04N1/21; H04N1/32; H04N5/7826; H04N7/18; H04N5/78
3. WO009602898A1, Feb. 1, 1996, PROCESS OF PRODUCING PERSONALIZED VIDEO CARTOONS; DAHL, BRADLEY K (CA),
INT-CL: [6] G06T15/70
EUR-CL: G06T15/70
4. WO009530219A1, Nov. 9, 1995, ANIMATION SYSTEM HAVING VARIABLE VIDEO DISPLAY RATE; HARPER, DENNIS D, et al.,
INT-CL: [6] G09G1/16; [6] G09G5/36; [6] G06T15/70
EUR-CL: G06T15/70; G09G1/16
5. EP000647923A2, Apr. 12, 1995, Postage meter system having bit-mapped indicia including fraud protection.; BROOKNER, GEORGE M (US),
INT-CL: [6] G07B17/04
EUR-CL: G07B17/04
6. GB002277856A , Nov. 9, 1994, Computer generating **animated sequence** of pictures; BEREND, ANDREW LOUIS CHARLES, et al.,
INT-CL: [5] G06F15/72
EUR-CL: G06T15/70
7. US005353074A , Oct. 4, 1994, Computer controlled animation projection system; JONES, RAYMOND D (US), et al.,
INT-CL: [5] G03B21/00; [5] G03B21/00
EUR-CL: G03B15/08
8. EP000597616A1, May 18, 1994, Mixing of computer graphics and animation sequences.; NGUYEN, JULIEN TAN (US),
INT-CL: [5] G09G1/16
EUR-CL: G09G1/16
9. US005278347A , Jan. 11, 1994, Auto-play musical instrument with an animation display controlled by auto-play data; KONISHI, SHINYA (JP),
INT-CL: [5] G09B15/04; [5] G10H1/38
EUR-CL: G09B15/04; G10H1/00
10. US005261041A , Nov. 9, 1993, Computer controlled animation system based on definitional animated objects and methods of manipulating same; SUSMAN, GALYN (US),
INT-CL: [5] G06F15/66; [5] G06F15/72
EUR-CL: G06T15/70
11. GB002258790A , Feb. 17, 1993, ANIMATION; BEREND, ANDREW LOUIS, et al.,
INT-CL: G06F15/72
EUR-CL: G06T11/00; G06T15/70
12. WO009217983A1, Oct. 15, 1992, METHOD OF CLASSIFYING PIXELS IN AN IMAGE AND TEMPORAL INTERPOLATION USING THE CLASSIFICATION OBTAINED; ROBERT, PHILIPPE (FR),
INT-CL: H04N7/00
EUR-CL: G06T7/20; H04N5/14; H04N7/46

13. WO009209965A1, Jun. 11, 1992, ANIMATION; BEREND, ANDREW LOUIS
CHARLES (GB), et al.,
INT-CL: G06F15/72
EUR-CL: G06T15/70

14. EP000473043A2, Mar. 4, 1992, Animation image composition and display
device.; TSUMURA, MIHOJI (JP), et al.,
INT-CL: G06F15/72
EUR-CL: G06T15/70

15. FR002660786A, Oct. 11, 1991, Method of putting a series of
representations into colour, for the purposes of producing animated
sequences; FRANCOIS, ORANGE,
INT-CL: G09G5/02
EUR-CL: G06T15/70

16. US005029997A, Jul. 9, 1991, Stop-frame animation system; FAROUDJA,
PHILIPPE Y C (US),
INT-CL: G03B19/18
EUR-CL: G03B15/08

17. FR002648590A, Dec. 21, 1990, Method and device for estimating
movement in a **sequence** of **animated** images; KERDRANVAT, MICHEL,
INT-CL: G06F15/62
EUR-CL: G06T7/20; H04N7/36; H04N7/36

18. FR002637100A, Mar. 30, 1990, Method and device for estimating
movement in a **sequence** of **animated** images; ROBERT, PHILIPPE, et
al.,
INT-CL: G06F15/66
EUR-CL: G06T7/20; H04N5/14; H04N7/36; H04N7/36; H04N7/36

19. US004766684A, Aug. 30, 1988, Lenticular screen for outdoor display;
WAH, LO ALLEN K (US),
EUR-CL: G09F19/14

20. US003954098A, May 4, 1976, Synchronized multiple image tomographic
cardiography; DICK, DONALD E, et al.,
INT-CL: A61B10/00
EUR-CL: A61B5/0456; A61B8/14; A61B5/0402

21. US003887274A, Jun. 3, 1975, Film frame selecting apparatus for a
projector; KACHI, KENJIRO, et al.,
INT-CL: G03B21/11; G03B23/12
EUR-CL: G03B21/11; G03B23/12

22. US003723803A, Mar. 27, 1973, GENERATION, DISPLAY AND ANIMATION OF
TWO-DIMENSIONAL FIGURES; HARRISON, L, et al.,
INT-CL: H01J29/70
EUR-CL: G06G7/28; G09G1/06; G09G1/08; G09G1/12

23. US003704064A, Nov. 28, 1972, DISPLAY SYSTEM FOR MOVING SUBWAY
TRAINS; SOLLOGOUB, NICOLAS, et al.,
INT-CL: G03B25/00
EUR-CL: G09F19/22

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=> D 9

9. US005278347A, Jan. 11, 1994, Auto-play musical instrument with an
animation display controlled by auto-play data; KONISHI, SHINYA (JP),
INT-CL: [5] G09B15/04; [5] G10H1/38
EUR-CL: G09B15/04; G10H1/00

ABSTRACT:

An auto-play apparatus for an electronic musical instrument generates auto-play tones or auto-accompaniment tones such as melody, chord, bass, and drum tones on the basis of preprogrammed auto-play data. The apparatus includes a detector for detecting note data in the auto-play data. Every time a tone corresponding to note data in the auto-play data is generated, a pre-programmed display **sequence of animation** patterns advances. Animation display pattern data representing motions of a person or animal are sequentially sent to a display on the basis of the **animation display sequence**. Every time a tone corresponding to note data in the auto-play data is generated, the display patterns change motion by motion, thus obtaining an animation display.

09/065983

APS SEARCH

u
=>

=> s 5680619/pn

L1 1 5680619/PN

=> s state and state
<-----User Break----->

u
SEARCH ENDED BY USER

=> s state and animation

697253 STATE
251002 STATES
801745 STATE
 (STATE OR STATES)
3098 ANIMATION
410 ANIMATIONS
3235 ANIMATION
 (ANIMATION OR ANIMATIONS)

L2 1761 STATE AND ANIMATION

=> s l2 and l1

L3 1 L2 AND L1

=> d hit

US PAT NO: 5,680,619 [IMAGE AVAILABLE]

L3: 1 of 1

SUMMARY:

APS SEARCH

=>

=> s 395/701

WARNING - FIELD CODE NOT VALID '701'

L1 0 395/701

=> s 395/701/cls

L2 272 395/701/CLS

=> s 395/702/cls

L3 102 395/702/CLS

=> s 345/440/cls

L4 334 345/440/CLS

=> s 12 or 13 or 14

L5 682 L2 OR L3 OR L4

=> s 15 and (animation (p) (state or status or condition))

3098 ANIMATION

410 ANIMATIONS

3235 ANIMATION

(ANIMATION OR ANIMATIONS)

697253 STATE

251002 STATES

801745 STATE

(STATE OR STATES)

84304 STATUS

2139 STATUSES

84596 STATUS

(STATUS OR STATUSES)

666874 CONDITION

878497 CONDITIONS

1200780 CONDITION

(CONDITION OR CONDITIONS)

435 ANIMATION (P) (STATE OR STATUS OR CONDITION)

L6 11 L5 AND (ANIMATION (P) (STATE OR STATUS OR CONDITION)

=> d 1-

1. 5,884,078, Mar. 16, 1999, System, method and article of manufacture for creating an object oriented component having multiple bidirectional ports for use in association with a java application or applet; Antony Azio Faustini, **395/701, 702**; 709/303 [IMAGE AVAILABLE]

2. 5,852,449, Dec. 22, 1998, Apparatus for and method of displaying running of modeled system designs; Mark A. Esslinger, et al., 345/473, **440** [IMAGE AVAILABLE]

3. 5,842,020, Nov. 24, 1998, System, method and article of manufacture

for providing dynamic user editing of object oriented components used in an object oriented application; Antony Azio Faustini, **395/701**; 345/333, 334, 340, 967; **395/702** [IMAGE AVAILABLE]

4. 5,822,591, Oct. 13, 1998, Virtual code system; Roland Hochmuth, **395/705**, **702**, 710; 709/305 [IMAGE AVAILABLE]

5. 5,790,855, Aug. 4, 1998, System, method and article of manufacture for type checking appropriateness of port connection and variable type matching in connection with multiport object-oriented components; Antony Azio Faustini, **395/701**; 345/348 [IMAGE AVAILABLE]

6. 5,765,142, Jun. 9, 1998, Method and apparatus for the development and implementation of an interactive customer service system that is dynamically responsive to change in marketing decisions and environments; Scott K. Allred, et al., 705/26; **395/701** [IMAGE AVAILABLE]

7. 5,757,650, May 26, 1998, Method of correcting stock condition in an automated storehouse control and apparatus therefor, and method of correcting conveyance state of parts and apparatus therefor; Tomimasa Yamashita, et al., 364/478.02; 182/156, 159, 160, 161, 162, 163; **395/702**; 505/829, 830 [IMAGE AVAILABLE]

8. 5,680,619, Oct. 21, 1997, Hierarchical encapsulation of instantiated objects in a multimedia authoring system; Norman K. Gudmundson, et al., **395/701**; 345/302; 707/515 [IMAGE AVAILABLE]

9. 5,566,294, Oct. 15, 1996, Method for visual programming with aid of animation; Keiji Kojima, et al., 345/348, 419, 473; **395/701** [IMAGE AVAILABLE]

10. 5,509,112, Apr. 16, 1996, Presentation support environment system; Miwako Doi, et al., **345/440** [IMAGE AVAILABLE]

11. 5,297,248, Mar. 22, 1994, Multi-color animation of computer program execution; Andrew L. Clark, **345/440** [IMAGE AVAILABLE]

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